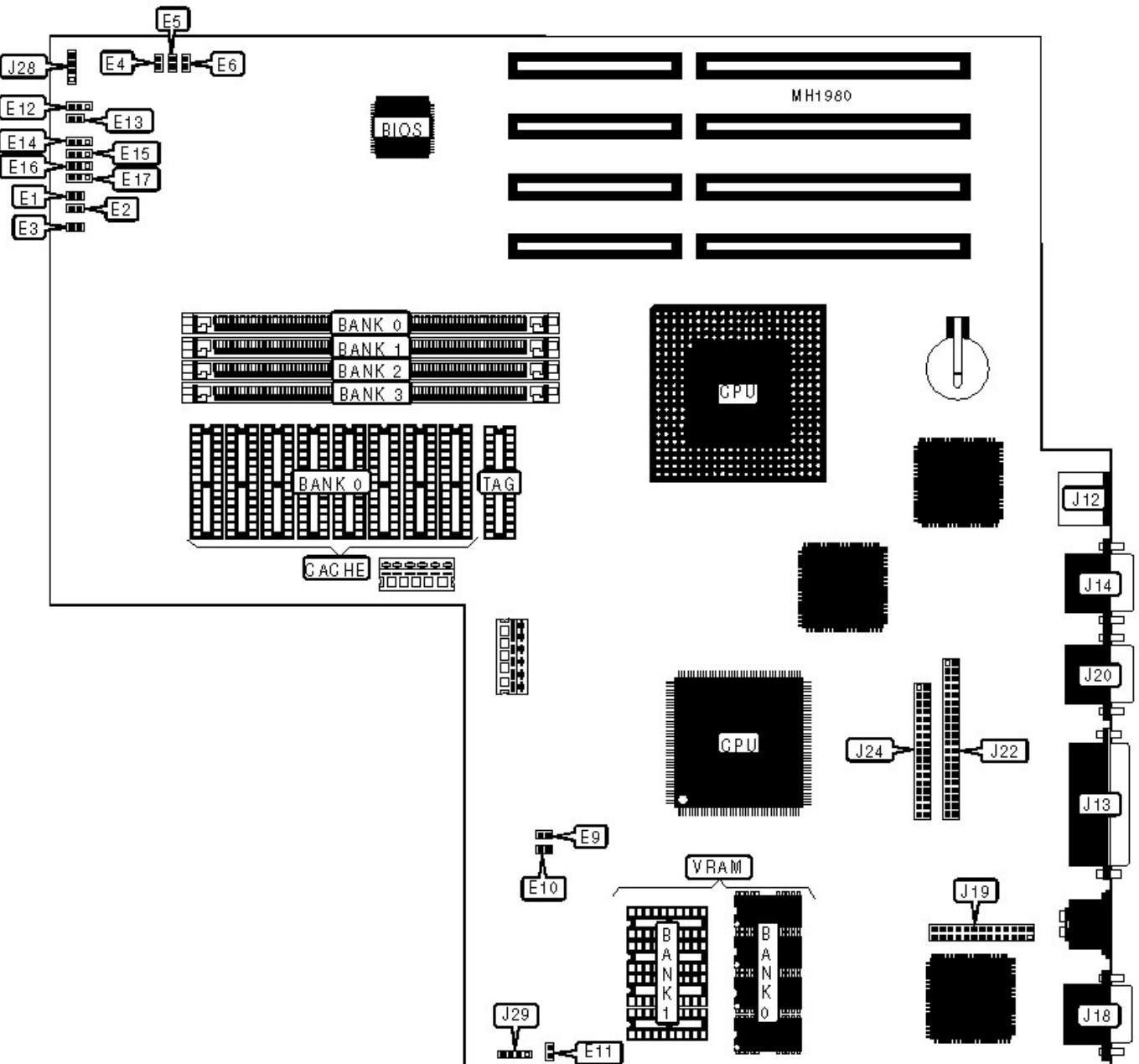


AST RESEARCH, INC.

BRAVO LC (LC2) (202560-XXX)

Processor	80486SX/80487SX/80486DX/ODP486SX/80486DX2/Pentium Overdrive
Processor Speed	25/33/50(internal)/66(internal)MHz
Chip Set	AST
Max. Onboard DRAM	64MB
Cache	64/256KB
BIOS	AST
Dimensions	330mm x 218mm
I/O Options	Floppy drive interface, IDE interface, parallel port, PS/2 mouse port, serial ports (2), VGA feature connector, VGA port
NPU Options	None



CONNECTIONS

Purpose	Location	Purpose	Location
PS/2 mouse port	J12	Serial port 2	J20
Parallel port	J13	IDE interface	J22
Serial port 1	J14	Floppy drive interface	J24
VGA port	J18	Chassis fan power	J28
VGA feature connector	J19	Front panel connector	J29

USER CONFIGURABLE SETTINGS			
	Function	Jumper	Position
»	Monitor type select color	E4	Closed
	Monitor type select monochrome	E4	Open
»	Video adapter enabled	E5	Closed
	Video adapter disabled	E5	Open
»	CMOS memory normal operation	E6	Closed
	CMOS memory clear	E6	Open
»	Parallel port IRQ select IRQ7	E12	pins 1 & 2 closed
	Parallel port IRQ select IRQ5	E12	pins 2 & 3 closed
»	Factory configured - do not alter	E17	pins 1 & 2 closed

DRAM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
1MB	(1) 256K x 36	NONE	NONE	NONE
2MB	(1) 256K x 36	(1) 256K x 36	NONE	NONE
3MB	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36	NONE
4MB	(1) 256K x 36			
4MB	(1) 1M x 36	NONE	NONE	NONE
5MB	(1) 1M x 36	(1) 256K x 36	NONE	NONE
6MB	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36	NONE
7MB	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
8MB	(1) 1M x 36	(1) 1M x 36	NONE	NONE

9MB	(1) 1M x 36	(1) 1M x 36	(1) 256K x 36	NONE
10MB	(1) 1M x 36	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36
12MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	NONE
13MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	(1) 256K x 36
16MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
16MB	(1) 4M x 36	NONE	NONE	NONE
17MB	(1) 4M x 36	(1) 256K x 36	NONE	NONE
18MB	(1) 4M x 36	(1) 256K x 36	(1) 256K x 36	NONE
19MB	(1) 4M x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
20MB	(1) 4M x 36	(1) 1M x 36	NONE	NONE
21MB	(1) 4M x 36	(1) 1M x 36	(1) 256K x 36	NONE
22MB	(1) 4M x 36	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36
24MB	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36	NONE
25MB	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36	(1) 256K x 36

DRAM CONFIGURATION (CON'T)				
28MB	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
32MB	(1) 4M x 36	(1) 4M x 36	NONE	NONE
33MB	(1) 4M x 36	(1) 4M x 36	(1) 256K x 36	NONE
34MB	(1) 4M x 36	(1) 4M x 36	(1) 256K x 36	(1) 256K x 36
36MB	(1) 4M x 36	(1) 4M x 36	(1) 1M x 36	NONE
37MB	(1) 4M x 36	(1) 4M x 36	(1) 1M x 36	(1) 256K x 36
40MB	(1) 4M x 36	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36

48MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	NONE
49MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	(1) 256K x 36
52MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	(1) 1M x 36
64MB	(1) 4M x 36			

CACHE CONFIGURATION		
Size	Bank 0	TAG
64KB	(8) 8K x 8	(1) 8K x 8
256KB	(8) 32K x 8	(1) 32K x 8

CACHE JUMPER CONFIGURATION			
Size	E1	E2	E3
64KB	Open	Open	Open
256KB	Closed	Closed	Closed

CPU UPGRADE CONFIGURATION					
Type	E11	E13	E14	E15	E16
None	Open	Open	1 & 2	1 & 2	1 & 2
80846SX	Closed	Open	1 & 2	1 & 2	1 & 2
80487SX	Closed	Closed	1 & 2	1 & 2	2 & 3
80486DX/DX2	Closed	Closed	2 & 3	1 & 2	2 & 3
Overdrive (ODPR)	Closed	Closed	2 & 3	1 & 2	2 & 3
Overdrive (ODP)	Closed	Closed	1 & 2	1 & 2	2 & 3
Overdrive (DX2)	Closed	Closed	1 & 2	2 & 3	2 & 3



CPU SPEED CONFIGURATION		
Speed	E9	E10
25MHz	Closed	Closed
33MHz	Open	Closed
50iMHz	Closed	Closed
66iMHz	Open	Closed

VIDEO MEMORY CONFIGURATION		
Size	Bank 0	Bank 1
512KB	(4) 256KB x 4	NONE
1MB	(4) 256KB x 4	(4) 256KB x 4

Note: Bank 0 is factory installed and is not configurable.